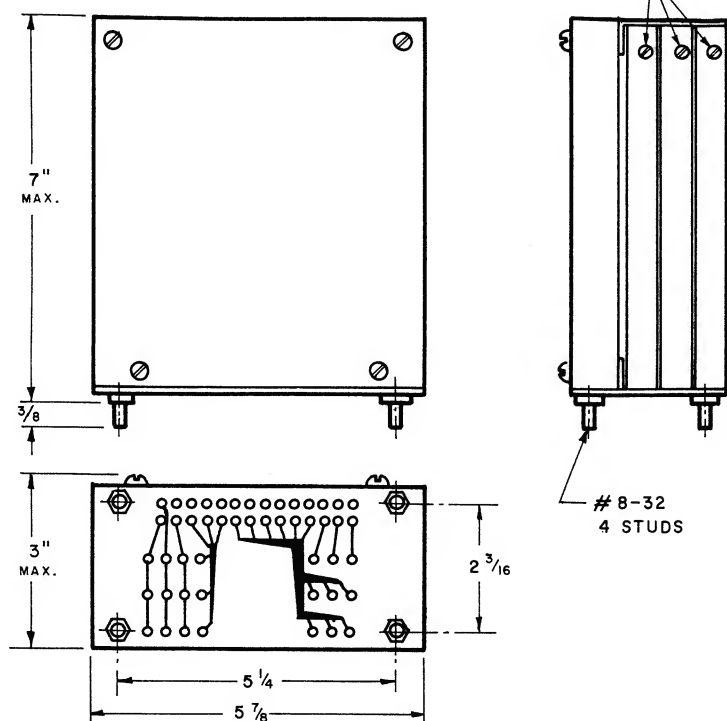


DELAY ADJUST

3 CHANNEL SERIAL MEMORY MODEL MA917



The MA917 (Memory) is a high storage, compact, serial memory for airborne or ordinary computer use. Three independent memory stores, each with a maximum capacity of 8000 bits NRZ, are housed in the package. They can be used as separate channels or can be cascaded to produce a single store of 24,000 bits NRZ capacity. The modules are supplied for use in the three common operating modes: the standard RZ (Return to Zero) mode; the NRZ (Non Return to Zero) mode for maximum storage and the Bi-Polar Mode for high shock and vibration operations.

Maximum Capacity

The storage medium which is a magnetostrictive delay line has a maximum delay of 4000 usec in each of the three channels. At this delay a maximum bit rate of 1Mc, RZ or 2Mc, NRZ is supplied thus providing a maximum capacity per channel of 8000 bits NRZ. The units can be supplied for higher frequency operation but only with shorter delays as follows:

Maximum Delay	RZ	NRZ
4000 usec. sec.	1Mc	2Mc
2000	1.5Mc	3.0Mc
500	2Mc	4.0Mc

Operating Temperature Range:

The delay line storage media of these memories are made to have a stability of up to $\pm 1/2$ PPM/ $^{\circ}\text{C}$ over a 0°C to 50°C temperature range, consequently, the delay length and the operating frequency determine the workable range, i. e. at maximum capacity the MA917 can be operated over a range of -5°C to $+65^{\circ}\text{C}$ in the RZ mode and 0°C to 50°C in the NRZ and Bi-Polar Mode.

INPUT REQUIREMENTS:

+3 to +30 volts or -3 to -30 volts.

CLOCK INPUT:

3 volts or more..A 50% duty cycle is preferred.

CLOCK STABILITY:

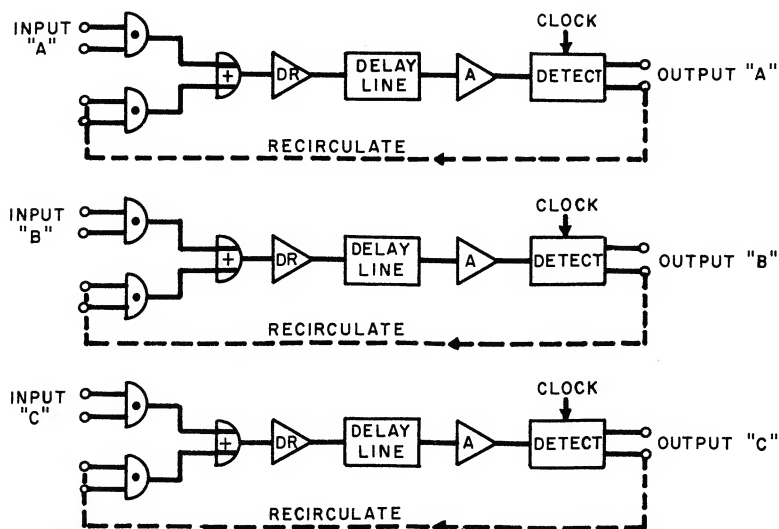
Less than ± 10 PPM

POWER REQUIREMENTS:

2 Watts total from $\pm 12\text{V}$ and -12V supplies.

WHEN ORDERING:

Please specify operating mode, clock frequency, operating environment, delay and/or storage capacity.



SONIC DELAY LINE
MEMORY SYSTEM
(THREE CHANNEL)
MODEL MA917

COMPUTER DEVICES
CORP.
6 WEST 18th ST.
HUNTINGTON STA., N.Y.
TEL: 516-ARI-0666

SCALE NONE DWN *Reuk*
APPVD E.S.W. CHKD *K. Dume*

A 91701
SIZE DWG. NO.

REV

Dear Mr.

*It is our
Pleasure. . .*

. . . to present you
with the information
you requested about
CDC Delay Lines.

Should you desire additional
catalog information or have
a specific Delay Line require-
ment on which you would like
a recommendation or quotation,
please fill out the following
and return to us - or just call
Ken Dunne at

AR 1-0666 (Area Code 516)



COMPUTER DEVICES CORP.

6 WEST 18 STREET
HUNTINGTON STA, N.Y.